

Amendments to the Specification:

Please replace the second full paragraph at page 4 of the specification (i.e., the first paragraph after the Summary of the Invention header) with the following rewritten paragraph.

~~It is an object of this~~ An aspect consistent with principles of the invention to provide
provides a communication system which is capable of improving transmission efficiency by
dispensing with complex processing.

Please replace the third full paragraph at page 4 of the specification (i.e., the second paragraph after the Summary of the Invention header) with the following rewritten paragraph.

~~It is another object of this~~ Another aspect consistent with principles of the invention to
~~provide~~ provides a communication system of the type described, which can remove a delay resulting
from complex protocol processing.

Please replace the fourth full paragraph at page 4 of the specification (i.e., the third paragraph after the Summary of the Invention header) with the following rewritten paragraph.

~~It is yet another object of this~~ A further aspect consistent with principles of the invention to
~~provide~~ provides a method which can effectively process and quickly transmit a control frame
defined by the PPP.

Please replace the first paragraph at page 5 of the specification with the following rewritten paragraph.

More specifically, a communication system according to an aspect of this invention comprises a mobile station operable in accordance with a predetermined mobile communication protocol and an internet protocol (IP) terminal operable in accordance with an IP. The predetermined mobile communication protocol allows ~~to~~ use of a plurality of radio links between the mobile station and the IP terminal while the mobile station is communicable with the IP terminal. The communication system comprises an interworking apparatus which is operable in response to an IP frame defined by the IP and a plurality of radio frames defined by the predetermined mobile communication protocol. The interworking apparatus comprises framing means for framing each IP frame into PPP frames defined by the PPP, transmitting frame memory means which are assigned to the radio links, respectively, for storing the PPP frames one by one, respectively, and transmitting means for transmitting the stored PPP frames through the plurality of the radio links in the form of the radio frames, respectively.

Please replace the third full paragraph on page 11 of the specification with the following rewritten paragraph.

Furthermore, the illustrated communication system has the connection oriented network formed by a plurality of mobile stations ~~101 to 103~~ 10₁ to 10₃, a mobile communication network 20, and a radio end terminal or an interworking facility 40, such as BS/MS/ISDN. The mobile station ~~101 to 103~~ 10₁ to 10₃ are operable in accordance with both the above-mentioned RLP of the Digital cellular method and the IP protocol while the radio end terminal 40 is operable as a protocol end of a radio region. As mentioned before, the radio end terminal 40 can transmit the high speed packet in compliance with the IP protocol and the IS-707A.

Please replace the fourth full paragraph on page 11 to page 12, line 1 of the specification with the following rewritten paragraph.

As shown in Fig. 2, the connection oriented network is connected to the connectionless network which includes a part of the radio end terminal 40, the IP network 50 and a plurality of the IP terminals ~~601 and 602~~ 60₁ and 60₂. The IP network 50 is connected to both the radio end terminal 40 and the IP terminals ~~601 and 602~~ 60₁ and 60₂.

Please replace the first full paragraph on page 12 of the specification with the following rewritten paragraph.

In the illustrated example, a sequence of user data is generated by each IP terminal ~~601 and 602~~ 60₁ and 60₂ and is formulated in accordance with the IP protocol. Thereafter, the user data sequence is transmitted from each of the IP terminals ~~601 and 602~~ 60₁ and 60₂ to each of the mobile ~~station 101 to 103~~ stations 10₁ to 10₃ after it is framed by the use of the PPP RFC 1662 and is further framed by the RLP of the radio protocol defined by the IS-707A.

Please replace the second full paragraph on page 14 of the specification with the following rewritten paragraph.

Referring to Figs. 5 and 6, a communication system according to a preferred embodiment of this invention comprises a plurality of mobile stations ~~MS1 to MS3~~ MS1₁ to MS1₃, a mobile communication network 2 (which may be called a radio transmission path), an interworking facility 4, and an IP network 5, and a plurality of IP terminals ~~61, 62~~ 6₁, 6₂. The illustrated interworking

facility 4 is operable in a manner somewhat different from the radio end terminal 40 illustrated in Fig. 2, as will become clear as the description proceeds.

Please replace the third full paragraph on page 14 of the specification with the following rewritten paragraph.

The IP terminals ~~61 and 62~~ 6₁ and 6₂ may be coupled to the IP network 5 and have IP interfaces which carry out communication through a network medium, such as Ethernet, ATM (Asynchronous Transfer Mode), or a frame relay.

Please replace the fourth full paragraph on page 14 of the specification with the following rewritten paragraph.

In the illustrated example, each of the mobile stations ~~MS1 to MS3~~ MS₁ to MS₃ has an interworking controller ~~111 to 113~~ 11₁ to 11₃ while the interworking facility 4 has an interworking controller 3 which may be similar in structure and operation to each of the interworking controllers ~~111 to 113~~ 11₁ to 11₃.

Please replace the second full paragraph on page 15 with the following rewritten paragraph.

As shown in Fig. ~~5~~ 6, the interworking controller 3 has an IP protocol interface 31 located on the IP network side and a radio interface 36 on the mobile communication network side. The IP protocol interface 31 is operable to receive/send an IP packet from/to the IP terminal ~~61, 62~~ 6₁, 6₂, while the radio interface 36 is operable to execute radio protocol interface processing in accordance with a radio protocol.

Please replace the last paragraph on page 16 extending to page 17, line 3 of the specification with the following rewritten paragraph.

Now, operation will be described with reference to Figs. [[4 and 5]] 5 and 6. At first, let transmission be carried out from the mobile station MS1 to the IP terminal 6 in the reverse direction. In this event, the mobile station MS1 negotiates with the radio interface 36 of the interworking controller 3 about the number of forward links or channels and the number of reverse links or channels, prior to communicating with the interworking facility 4. Herein, the forward channels are formed in the forward direction from the interworking facility 4 while the reverse channels are formed in the reverse direction from the mobile station MS1 to the interworking facility 4.